CORRECTED VERSION

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 1237.P004PCT/CKM	**FOR FURTHER ACTION**	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416).
International Application No. **PCT/SG2003/000078**	International Filing Date *(day/month/year)* 11 April 2003	Priority Date *(day/month/year)* 16 December 2002
International Patent Classification (IPC) or national classification and IPC **Int. Cl.** [7] E06B 3/74, E04C 2/36		
Applicant MALAYSIA WOODWORKING (PTE) LTD et al		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 3 sheets, including this cover sheet.

   [X] This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

   These annexes consist of a total of **2** sheet(s).

3. This report contains indications relating to the following items:

   - I [X] Basis of the report
   - II [ ] Priority
   - III [ ] Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
   - IV [ ] Lack of unity of invention
   - V [X] Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
   - VI [ ] Certain documents cited
   - VII [ ] Certain defects in the international application
   - VIII [ ] Certain observations on the international application

Date of submission of the demand 4 July 2003	Date of completion of the report 21 November 2003
Name and mailing address of the IPEA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929	Authorized Officer **A. SEN** Telephone No. (02) 6283 2158

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/SG2003/000078

I. Basis of the report

1. With regard to the **elements** of the international application:*

☐ the international application as originally filed.

☒ the description, pages **1-8,** as originally filed,
pages , filed with the demand,
pages , received on with the letter of

☒ the claims, pages , as originally filed,
pages , as amended under Article 19,
pages , filed with the demand,
pages **9, 10** received on **9 July 2004** with the letter of **30 June 2004**

☒ the drawings, pages **1/4-4/4,** as originally filed,
pages , filed with the demand,
pages , received on with the letter of

☐ the sequence listing part of the description:
pages , as originally filed
pages , filed with the demand
pages , received on with the letter of

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.
These elements were available or furnished to this Authority in the following language which is:

☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).

☐ the language of publication of the international application (under Rule 48.3(b)).

☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

4. ☐ The amendments have resulted in the cancellation of:

☐ the description, pages

☐ the claims, Nos.

☐ the drawings, sheets/fig.

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* *Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).*

** *Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report*

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-16	**YES**
	Claims		**NO**
Inventive step (IS)	Claims	1-16	**YES**
	Claims		**NO**
Industrial applicability (IA)	Claims	1-16	**YES**
	Claims		**NO**

2. Citations and explanations (Rule 70.7)

Claims 1-16 meet the criteria set forth in PCT Article 33(2)-(4) for novelty, inventive step and industrial applicability. The prior art published before the priority date does not disclose a hollow door or its method of making wherein at least one panel rib is joined from modular components, with the modular component(s) comprising engagement members, complementary engagement members and connecting means, and wherein the modular components are rendered from scrap wood material.

CLAIMS

1. A method of fabricating hollow doors of wood material with at least one panel rib joined from modular components rendered from scrap wood material, said modular components comprising engagement members, complementary engagement members and connecting means.
2. A method in accordance to Claim 1, said joining of said panel rib's said engagement members and said complementary engagement members do not require adhesive due to complementary structures of said engagement members and said complementary engagement members.
3. A method in accordance to Claim 1, said method further comprises joining modular components of inadequate individual dimensions to form a panel rib, such that panel ribs of adequate dimensions may be fabricated.
4. The method according to Claim 1, wherein said engagement members and said complementary engagement members comprise notched components that can be joined one to another.
5. A method in accordance to Claim 1, said method further comprises assembling a latticework comprising panel ribs formed from modular components, and other components formed from non-scrap wood material.
6. A method in accordance to Claim 5, said method of assembling said latticework may be performed within a frame for a hollow door.
7. A method in accordance to Claim 5, said method of assembling said latticework may be performed before placing said latticework into a frame for a hollow door.
8. A method in accordance to Claim 5, said method of assembling said latticework permit latticeworks of different configurations to be readily formed.

9. A method to use scrap wood material for modular components to form at least one panel rib in the fabrication of hollow structures and furnishings.
10. A hollow door of wood material with at least one panel rib joined from modular components rendered from scrap wood material, said modular components comprising engagement members, complementary engagement members and connecting means.
11. A hollow door in accordance to Claim 10, said joining of said panel rib's said engagement members and said complementary engagement members do not require adhesive due to complementary structures of said engagement members and said complementary engagement members.
12. A hollow door in accordance to Claim 10, said panel rib further comprises modular components of inadequate individual dimensions to form said panel rib, wherein joining of said modular components allow panel ribs of adequate dimensions to be fabricated.
13. A hollow door in accordance to Claim 10, said engagement members and said complementary engagement members comprise notched components that can be joined one to another.
14. A hollow door in accordance to Claim 10, said connecting means comprise fasteners.
15. A hollow door in accordance to Claim 10, said hollow door further comprises a latticework of panel ribs formed from modular components, and other components formed from non-scrap wood material.
16. A hollow door in accordance to Claim 15, said latticework may be assembled within a frame for a hollow door.
17. A hollow door in accordance to Claim 15, said latticework may be pre-assembled before placing said latticework into a frame for a hollow door.

18. A hollow door in accordance to Claim 15, said method of assembling said latticework permit latticeworks of different configurations to be readily formed.

19. A hollow structure with at least one panel rib formed from at least one modular component made from scrap wood material.